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16. (Twice Amended) The process of claim 15, wherein the side of the membrane is roughened by contacting the membrane with an abrasive selected from the group consisting of silicon nitride, boron nitride, silicon carbide, silica and boron carbide.

18. (Amended) A process for making a membrane electrode assembly for a fuel cell, comprising:

- (a) providing a catalyst ink comprising particles of a fluorocarbon polymer with a particle size of 1 to 4 microns, and a catalytic material;
- (b) applying the catalyst ink at room temperature to at least one side of a membrane;
- and
- (c) bonding the membrane to at least one electrode.

19. (Twice Amended) The process of claim 18, further comprising roughening the side of the membrane prior to applying the catalyst ink.

20. (Amended) A fuel cell comprising a membrane electrode assembly, wherein the membrane electrode assembly is made by the process of:

- a) providing a catalyst ink comprising particles of a fluorocarbon polymer with a particle size of 1 to 4 microns, and a catalytic material;
- (b) applying the catalyst ink at room temperature to at least one side of a membrane;
- and
- (c) bonding the membrane to at least one electrode.